

AN 1979-51411B [28] WPIDS
TI Electrode material for electric discharge machining - consists of
zirconium-copper alloy
DC M23; M26; P56; P62; X24
IN INOUE K
PA (INOZ-C) INOUE
CYC 1
PIA JP 54067297 A 19790530 (197928)* JA
JP 61054849 B 19861125 (198651) JA
ADT JP 54067297 A JP 1977-133606 19771109
AB JP 54067297 A UPAB: 20050419
Electrode material consists of 0.1 to 5 weight% Zr and 95 to 99.9 weight% Cu.
The material is suitable for the fabrication of an electric discharge
machining electrode used within the low-consumption region. The
consumption of the electrode is reduced by 20 to 30% compared with the
conventional electrode. The machining rate is increased by 30 to 50%.
In an example, a Zr-Cu alloy containing 10 weight% is added to a Cu melt in an
atmos. of inert gas or reducing gas. The melt is cooled slowly
and cast into an ingot. The ingot is rolled, forged and/or
drawn to form a rod, wire or plate of desired shape. An
electrode consisting of 0.1 to 5.0 t.% Zr and 95 to 99.9 weight% of Cu is
thus produced. The consumption rate of the electrode is 0.04 to 0.075
weight%.